

Message Text

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ORIGIN CEQ-02

INFO OCT-01 EUR-25 EA-11 ADP-00 NSC-10 NSF-04 AEC-11

COME-00 INT-08 SCI-06 SS-15 IO-12 SCEM-02 AID-20

CIAE-00 COA-02 DODE-00 EB-11 EPA-04 INR-10 L-03

NSAE-00 PM-07 RSC-01 TRSE-00 /165 R

66610

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TO ALL NATO CAPITALS

INFO USMISSION NATO

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AMEMBASSY TOKYO

AMEMBASSY WELLINGTON

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AMEMBASSY PARIS

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PARIS FOR NESCO

E. O. 11652: N/A

TAGS: SENV, NATO

SUBJ: CCMS: US PROPOSED ENERGY PROJECTS - SOLAR ENERGY;
GEOTHERMAL ENERGY; ENERGY CONSERVATION

REF: A. OTTAWA 0871 B. OTTAWA 881

1. AS POSTS ARE AWARE FROM REFTELS, CEQ CHAIRMAN RUSSELL E. TRAIN PROPOSED AT OTTAWA CCMS PLENARY APRIL 10, THAT CCMS UNDERTAKE PROGRAMS IN SOLAR AND GEOTHERMAL ENERGY. TRAIN STRESSED URGENT WORLD PROBLEM OF MATCHING ENERGY SUPPLY TO DEMAND, LIMITED AVAILABILITY FOSSIL FUELS AND NECESSITY TO DEVELOP ALTERNATIVE NON- POLLUTING SOURCES OF ENERGY AS WELL AS IMPROVE EFFICIENCY WITH WHICH ENERGY IS USED. AS NOTED REFTELS, PROPOSAL WAS WELL RECEIVED.

2. SPECIFIC APPLICATIONS OF BOTH SOLAR AND GEOTHERMAL ENERGY RESOURCES HOLD PROMISE OF ECONOMIC FEASIBILITY AND SHOULD BE LESS ENVIRONMENTALLY DAMAGING THAN MOST PRESENT FORMS OF ENERGY SUPPLY. SOLAR ENERGY IS PARTICULARLY ATTRACTIVE IN THAT IT IS RENEWABLE AND IS AVAILABLE AT SUFFICIENT INTENSITY IN MANY AREAS OF THE WORLD. FURTHER, PROPER BUILDING DESIGN CAN SIGNIFICANTLY INCREASE THE EFFICIENT USE OF SOLAR ENERGY AND DECREASE THE DEMAND FOR SUPPLEMENTAL FUELS. GEOTHERMAL RESOURCES EXPLOITABLE WITH PRESENT TECHNOLOGY, ALTHOUGH MORE LOCALIZED, ARE FOUND IN MANY PARTS OF THE WORLD. THESE RESOURCES CAN BE USED FOR HEATING AND COOLING BUILDINGS AS WELL AS FOR GENERATION OF ELECTRICITY. FURTHER, IF TAPPING HEAT FROM THE DRY HOT ROCK UNDERLYING MUCH OF THE EARTH PROVES FEASIBLE TECHNICALLY AND ECONOMICALLY, IT HAS POTENTIAL FOR MAKING A SIGNIFICANT CONTRIBUTION TO MEETING THE WORLD'S FUTURE ENERGY NEEDS IN MANY GEOGRAPHIC REGIONS. PROJECTS IN GEOTHERMAL AND SOLAR ENERGY MAY LEAD TO THE DESIGN AND CONSTRUCTION OF SYSTEMS WHICH CAN MAKE MORE EFFECTIVE USE OF THE EARTH'S RESOURCES WITH LESS DAMAGE TO THE ENVIRONMENT.

3. U. S. ENERGY PROPOSAL SHOULD IN ADDITION BE VIEWED IN BROADER PERSPECTIVE OF IMPROVING ENERGY RESOURCE UTILIZATION AND CONSERVATION. THE SOLAR AND GEOTHERMAL ENERGY PROJECTS
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SHOULD BE CONSIDERED IN THE CONTEXT OF MEETING THESE BROADER OBJECTIVES. AS CHAIRMAN TRAIN NOTED IN OTTAWA PRESENTATION, SPECIFICS OF U. S. PROPOSAL WERE TENTATIVE SUGGESTIONS AND SUBJECT TO VIEWS OF ALLIES. THERE ARE ALSO OTHER AREAS IN WHICH COOPERATIVE PROJECTS CONDUCTED UNDER CMMS COULD HELP TO MATCH ENERGY SUPPLY WITH ENERGY DEMAND WHILE MINIMIZING ENVIRONMENTAL DEGRADATION. SUCH PROJECTS

COULD INCLUDE TECHNOLOGICALLY ORIENTED EFFORTS SUCH AS DESIGN AND DEMONSTRATION OF HOUSEHOLD APPLIANCES, HEATING AND COOLING SYSTEMS FOR BUILDINGS, AND INDUSTRIAL PROCESSES WHICH USE ENERGY MORE EFFICIENTLY, AS WELL AS INSTITUTIONALLY ORIENTED EFFORTS SUCH AS DEVELOPMENT OF MANUFACTURING AND CONSTRUCTION CODES TO REQUIRE DESIGNS WHICH INCORPORATE ENERGY SAVING FEATURES.

4. SOLAR ENERGY:

A. BEARING ABOVE IN MIND, REQUEST EMBASSIES APPROACH HOST GOVERNMENTS TO REQUEST THEM, IF INTERESTED, TO DESIGNATE REPRESENTATIVES FOR AN ORGANIZATIONAL MEETING OF A WORKING GROUP ON SOLAR ENERGY TO BE CONVENED IN PARIS, JULY 6, 1973, IMMEDIATELY FOLLOWING INTERNATIONAL SOLAR ENERGY SOCIETY (ISES) MEETING (WHICH BEING HELD AT UNESCO FACILITIES). UNDOUBTEDLY, SOME OF THE SCIENTIFIC EXPERTS PLANNING TO ATTEND ISES MEETING CAN REPRESENT THEIR COUNTRIES IN WORKING GROUP. THE UNITED STATES WILL BE REPRESENTED BY THE DEPARTMENT, THE PRESIDENT'S COUNCIL ON ENVIRONMENTAL QUALITY, THE NATIONAL SCIENCE FOUNDATION, AND EXPERTS FROM UNIVERSITIES AND INDUSTRIES. (DETAILED LIST WILL FOLLOW).

B. IN CONJUNCTION WITH ISES MEETING, A TOUR OF SOLAR ENERGY LABORATORIES IN SOUTHERN EUROPE WILL BE CONDUCTED. THIS SHOULD GIVE THE CCMS SOLAR PROJECT DELEGATES AN EXCELLENT OPPORTUNITY TO INITIATE EXCHANGE ACTIVITIES AND TO REFINE PLANS FOR
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*** Current Handling Restrictions *** n/a

*** Current Classification *** UNCLASSIFIED

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 22 MAY 1973
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1973STATE097569
Document Source: CORE
Document Unique ID: 00
Drafter: CEQ: SGAGE
Enclosure: n/a
Executive Order: n/a
Errors: n/a
Film Number: n/a
From: SECSTATE WASHDC
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1973/newtext/t19730551/aaaajpht.tel
Line Count: 142
Locator: TEXT ON-LINE
Office: ORIGIN CE
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators:
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: A. OTTAWA 0871 B. OTTAWA 881
Review Action: RELEASED, APPROVED
Review Authority: smithrj
Review Comment: n/a
Review Content Flags: ANOMALY
Review Date: 23 OCT 2001
Review Event:
Review Exemptions: n/a
Review History: RELEASED <23-Oct-2001 by cunninfx>; APPROVED <12 FEB 2002 by smithrj>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: <DBA CORRECTED> mcm 980226
Subject: CCMS: US PROPOSED ENERGY PROJECTS - SOLAR ENERGY; GEOTHERMAL ENERGY; ENERGY CONSERVATION
TAGS: SENV, NATO
To: CANBERRA
MADRID
MOSCOW
NATO
PARIS
STOCKHOLM
TOKYO

WELLINGTON

Type: TE

Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005